

Title (en)

Amino group containing support matrices, their use and manufacture

Title (de)

Aminogruppen enthaltende Trägermatritzen, Verwendung und Herstellung davon

Title (fr)

Matrices de support contenant des groupes amino, leur utilisation et fabrication

Publication

**EP 1433795 B1 20100630 (EN)**

Application

**EP 04008121 A 20000322**

Priority

- EP 00911150 A 20000322
- US 27351399 A 19990322

Abstract (en)

[origin: WO0056790A1] A method for the manufacture of a support matrix exhibiting amino groups I, possibly in acylated form, comprising the step of polymerising one or more monovinyl monomers (monomer I) with one or more di-; tri- or polyvinyl monomers (monomer II). The method is characterized in that the polymerisation is run in the presence of one or more amino-(C0-10)hydrocarbon vinyl aromatic monomers possibly in acylated form (monomer III). The preferred combination of monomers are ethyl vinyl benzene, divinyl benzene and amino styrene. A support matrix comprising a polyvinyl backbone  $[(-CH_2CH_2)_n]$  and amino groups or groups derived from said amino groups while retaining the nitrogen of the amino group, each of which groups being attached to said backbone via a link structure containing an arylene group. The matrix is characterized in that each of said groups is directly attached via said nitrogen to said arylene group. The use of the support matrix as defined in any one of claims 1-17, for solid phase synthesis, for instance of an oligo/poly-nucleotide or an oligo/polypeptide.

IPC 8 full level

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CPC (source: EP US)

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